### (19) World Intellectual Property Organization International Bureau

ZIIPO QMPI



# (43) International Publication Date 26 May 2005 (26.05.2005)

#### **PCT**

# (10) International Publication Number WO 2005/048603 A1

(51) International Patent Classification<sup>7</sup>: **H04N 7/167**, 7/16, G07F 7/10

710, G071 7110

(21) International Application Number: PCT/IB2004/052300

(22) International Filing Date:

4 November 2004 (04.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03104172.6

13 November 2003 (13.11.2003) EP

(71) Applicant (for all designated States except US): KONIN-KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

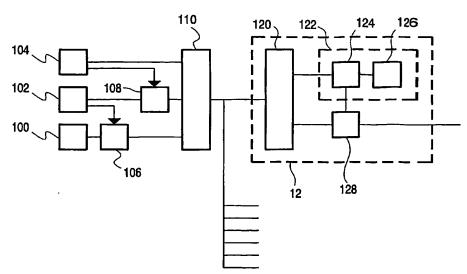
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SCHIPPER, Robert

[NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). VAN DOMMELEN, Erwin, J. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

- (74) Agents: GROENENDAAL, Antonius, W., M. et al.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,

[Continued on next page]

(54) Title: CONDITIONAL ACCESS METHOD AND DEVICES



(57) Abstract: A data stream contains content data that can be decrypted using control words. ECM messages that are included in the stream and contain the control words that is required for decrypting nearby content data. EMM messages contain management information for entitling selected stream receiving devices to decrypt content data from the data stream using control words from ECM messages. Further management information is included in at least some of the the ECM messages. The secure device detects the further management information when the control words are supplied and tests whether the further management information is targeted at the stream receiving device (12). If so the secure device indefinitely disables subsequent decryption of at least part of the stream in the stream receiving device (12). In one embodiment, the further management information is targeted by means of a specified condition on entitlement information stored in the secure device. The secure device tests whether any of it's entitlement information meets this condition and, if so, disables supply of valid control words.



## WO 2005/048603 A1



SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

#### Published:

with international search report